

reference, *see* § 192.755)" wherever it appears.

■ 10. Part 192 is amended by removing the undesignated center heading, "HIGH CONSEQUENCE AREAS".

■ 11. The title of subpart O of part 192 is revised to read as follows:

Subpart O—Gas Transmission Pipeline Integrity Management

■ 12. Section I of Appendix B is revised to read as follows:

Appendix B to Part 192—Qualification of Pipe

I. Listed Pipe Specifications

API 5L—Steel pipe, "API Specification for Line Pipe" (incorporated by reference, *see* § 192.7).

ASTM A53/A53M—Steel pipe, "Standard Specification for Pipe, Steel Black and Hot-Dipped, Zinc-Coated, Welded and Seamless" (incorporated by reference, *see* § 192.7).

ASTM A106—Steel pipe, "Standard Specification for Seamless Carbon Steel Pipe for High Temperature Service" (incorporated by reference, *see* § 192.7).

ASTM A333/A333M—Steel pipe, "Standard Specification for Seamless and Welded Steel Pipe for Low Temperature Service" (incorporated by reference, *see* § 192.7).

ASTM A381—Steel pipe, "Standard Specification for Metal-Arc-Welded Steel Pipe for Use with High-Pressure Transmission Systems" (incorporated by reference, *see* § 192.7).

ASTM A671—Steel pipe, "Standard Specification for Electric-Fusion-Welded Pipe for Atmospheric and Lower Temperatures" (incorporated by reference, *see* § 192.7).

ASTM A672—Steel pipe, "Standard Specification for Electric-Fusion-Welded Steel Pipe for High-Pressure Service at

Moderate Temperatures" (incorporated by reference, *see* § 192.7).

ASTM A691—Steel pipe, "Standard Specification for Carbon and Alloy Steel Pipe, Electric-Fusion-Welded for High Pressure Service at High Temperatures" (incorporated by reference, *see* § 192.7).

ASTM D2513—Thermoplastic pipe and tubing, "Standard Specification for Thermoplastic Gas Pressure Pipe, Tubing, and Fittings" (incorporated by reference, *see* § 192.7).

ASTM D2517—Thermosetting plastic pipe and tubing, "Standard Specification for Reinforced Epoxy Resin Gas Pressure Pipe and Fittings" (incorporated by reference, *see* § 192.7).

PART 193—[AMENDED]

■ 1. The authority citation for part 193 continues to read as follows:

Authority: 49 U.S.C. 5103, 60102, 60103, 60104, 60108, 60109, 60110, 60113, 60118; and 49 CFR 1.53.

■ 2. In part 193, revise "(ibr, *see* § 193.2013)" to read "(incorporated by reference, *see* § 193.2013)" wherever it appears.

■ 3. Section 193.2013 is revised to read as follows:

193.2013 Incorporation by reference.

(a) Any document or portion thereof incorporated by reference in this part is included in this part as though it were printed in full. When only a portion of a document is referenced, then this part incorporates only that referenced portion of the document and the remainder is not incorporated. Applicable editions are listed in paragraph (c) of this section in parentheses following the title of the referenced material. Earlier editions

listed in previous editions of this section may be used for components manufactured, designed, or installed in accordance with those earlier editions at the time they were listed. The user must refer to the appropriate previous edition of 49 CFR for a listing of the earlier editions.

(b) All incorporated materials are available for inspection in the Pipeline and Hazardous Materials Safety Administration, 400 Seventh Street, SW., Washington, DC, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030 or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/IBR_locations.html.

Documents incorporated by reference are available from the publishers as follows:

A. American Gas Association (AGA), 400 North Capitol Street, NW., Washington, DC 20001.

B. American Society of Civil Engineers (ASCE), Parallel Centre, 1801 Alexander Bell Drive, Reston, VA 20191-4400.

C. ASME International (ASME), Three Park Avenue, New York, NY 10016-5990.

D. Gas Technology Institute (GTI), 1700 S. Mount Prospect Road, Des Plaines, IL 60018.

E. National Fire Protection Association (NFPA), 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101.

(c) Documents incorporated by reference.

Source and name of referenced material	49 CFR reference
A. American Gas Association (AGA):	
(1) "Purging Principles and Practices," (3rd edition, 2001).	§§ 193.2513; 193.2517; 193.2615.
B. American Society of Civil Engineers (ASCE):	
(1) SEI/ASCE 7-02 "Minimum Design Loads for Buildings and Other Structures," (2002 edition).	§ 193.2067.
C. ASME International (ASME):	
(1) ASME Boiler and Pressure Vessel Code, Section VIII, Division 1, "Rules for Construction of Pressure Vessels," (2004 edition, including addenda through July 1, 2005).	§ 193.2321.
(2) ASME Boiler and Pressure Vessel Code, Section VIII, Division 2, "Rules for Construction of Pressure Vessels—Alternative Rules," (2004 edition, including addenda through July 1, 2005).	§ 193.2321.
D. Gas Technology Institute (GTI):	
(1) GRI-89/0176 "LNGFIRE: A Thermal Radiation Model for LNG Fires," (June 29, 1990)	§ 193.2057.
(2) GTI-04/0049 (April 2004) "LNG Vapor Dispersion Prediction with the DEGADIS 2.1: Dense Gas Dispersion Model for LNG Vapor Dispersion".	§ 193.2059.
(3) GRI-96/0396.5 "Evaluation of Mitigation Methods for Accidental LNG Releases, Volume 5: Using FEM3A for LNG Accident Consequence Analyses," (April 1997).	§ 193.2059.
E. National Fire Protection Association (NFPA):	
(1) NFPA 59A (2001) "Standard for the Production, Storage, and Handling of Liquefied Natural Gas (LNG)."	§§ 193.2019; 193.2051; 193.2057; 193.2059; 193.2101; 193.2301; 193.2303; 193.2401; 193.2521; 193.2639; 193.2801.

■ 4. In part 193, revise "(ibr, *see* § 193.2067)" to read "(incorporated by reference, *see* § 193.2067)" wherever it appears.

■ 5. Section 193.2067 is amended by revising paragraph (b)(1) to read as follows:

§ 193.2067 Wind forces.

* * * * *

(b) * * *

(1) For shop fabricated containers of LNG or other hazardous fluids with a capacity of not more than 70,000 gallons, applicable wind load data in SEI/ASCE 7-02 (incorporated by reference, *see* § 193.2013).

* * * * *

PART 195—[AMENDED]

■ 1. The authority citation for part 195 continues to read as follows:

Authority: 49 U.S.C. 5103, 60102, 60104, 60108, 60109, 60118; and 49 CFR 1.53.

■ 2. In part 195, revise "(ibr, *see* § 195.3)" to read "(incorporated by

reference, *see* § 195.3)" wherever it appears.

■ 3. Section 195.3 is amended by revising section heading and paragraphs (b) and (c) to read as follows:

§ 195.3 Incorporation by reference.

* * * * *

(b) All incorporated materials are available for inspection in the Pipeline and Hazardous Materials Safety Administration, 400 Seventh Street, SW., Washington, DC, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030 or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html. These materials have been approved for incorporation by reference by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. In addition, materials incorporated by reference are available as follows:

1. Pipeline Research Council International, Inc. (PRCI), c/o Technical

Toolboxes, 3801 Kirby Drive, Suite 520, Houston, TX 77098.

2. American Petroleum Institute (API), 1220 L Street, NW., Washington, DC 20005.

3. ASME International (ASME), Three Park Avenue, New York, NY 10016-5990.

4. Manufacturers Standardization Society of the Valve and Fittings Industry, Inc. (MSS), 127 Park Street, NE., Vienna, VA 22180.

5. American Society for Testing and Materials (ASTM), 100 Barr Harbor Drive, West Conshohocken, PA 19428.

6. National Fire Protection Association (NFPA), 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101.

7. NACE International, 1440 South Creek Drive, Houston, TX 77084.

(c) The full titles of publications incorporated by reference wholly or partially in this part are as follows. Numbers in parentheses indicate applicable editions:

Source and name of referenced material	49 CFR reference
A. Pipeline Research Council International, Inc. (PRCI):	
(1) AGA Pipeline Research Committee, Project PR-3-805, "A Modified Criterion for Evaluating the Remaining Strength of Corroded Pipe," (December 22, 1989). The RSTRENG program may be used for calculating remaining strength.	§ 195.452(h)(4)(B).
B. American Petroleum Institute (API):	
(1) API Specification 5L "Specification for Line Pipe," (43rd edition and errata, 2004)	§§ 195.106(b)(1)(i); 195.106(e).
(2) API Specification 6D "Pipeline Valves" (22nd edition, January 2002)	§ 195.116(d).
(3) API Specification 12F "Specification for Shop Welded Tanks for Storage of Production Liquids," (11th edition, 1994).	§§ 195.132(b)(1); 195.205(b)(2); 195.264(b)(1); 195.264(e)(1); 195.307(a); 195.565; 195.579(d).
(4) API 510 "Pressure Vessel Inspection Code: Maintenance Inspection, Rating, Repair, and Alteration," (8th edition, 1997 including Addenda 1 through 4).	§§ 195.205(b)(3); 195.432(c).
(5) API 620 "Design and Construction of Large, Welded, Low-Pressure Storage Tanks," (10th edition, 2002 including Addendum 1).	§§ 195.132(b)(2); 195.205(b)(2); 195.264(b)(1); 195.264(e)(3); 195.307(b).
(6) API 650 "Welded Steel Tanks for Oil Storage," (10th edition, 1998 including Addenda 1-3).	§§ 195.132(b)(3); 195.205(b)(1); 195.264(b)(1); 195.264(e)(2); 195.307; 195.307(d); 195.565; 195.579(d).
(7) API Recommended Practice 651 "Cathodic Protection of Aboveground Petroleum Storage Tanks," (2nd edition, December 1997).	§§ 195.565; 195.579(d).
(8) API Recommended Practice 652 "Lining of Aboveground Petroleum Storage Tank Bottoms," (2nd edition, December 1997).	§ 195.579(d).
(9) API 653 "Tank Inspection, Repair, Alteration, and Reconstruction," (3rd edition, 2001 including Addendum 1, 2003).	§§ 195.205(b)(1); 195.432(b).
(10) API 1104 "Welding of Pipelines and Related Facilities," (19th edition, 1999 including October 31, 2001 errata).	§§ 195.222; 195.228(b); 195.214(a).
(11) API 1130 "Computational Pipeline Monitoring for Liquid Pipelines," (2nd edition, 2002) ..	§§ 195.134; 195.444.
(12) API 2000 "Venting Atmospheric and Low-Pressure Storage Tanks," (5th edition, April 1998).	§§ 195.264(e)(2); 195.264(e)(3).
(13) API Recommended Practice 2003 "Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents," (6th edition, 1998).	§ 195.405(a).
(14) API 2026 "Safe Access/Egress Involving Floating Roofs of Storage Tanks in Petroleum Service," (2nd edition, 1998).	§ 195.405(b).
(15) API Recommended Practice 2350 "Overfill Protection for Storage Tanks In Petroleum Facilities," (2nd edition, 1996).	§ 195.428I.
(16) API 2510 "Design and Construction of LPG Installations," (8th edition, 2001)	§§ 195.132(b)(3); 195.205(b)(3); 195.264(b)(2); 195.264(e)(4); 195.307(e); 195.428(c); 195.432(c).
(17) API Recommended Practice 1162 "Public Awareness Programs for Pipeline Operators," (1st edition, December 2003).	§§ 195.440(a); 195.440(b); 195.440(c).
C. ASME International (ASME):	
(1) ASME B16.9-2003 (February 2004) "Factory-Made Wrought Steel Butt Welding Fittings"	§ 195.118(a).

Source and name of referenced material	49 CFR reference
(2) ASME B31.4-2002 (October 2002) "Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids".	§ 195.452(h)(4)(i).
(3) ASME B31G-1991 (Reaffirmed; 2004) "Manual for Determining the Remaining Strength of Corroded Pipelines".	§§ 195.452(h)(4)(i)(B); 195.452(h)(4)(iii)(D).
(4) ASME B31.8-2003 (February 2004) "Gas Transmission and Distribution Piping Systems"	§§ 195.5(a)(1)(i); 195.406(a)(1)(i).
(5) ASME Boiler and Pressure Vessel Code, Section VIII, Division 1 "Rules for Construction of Pressure Vessels," (2004 edition, including addenda through July 1, 2005).	§§ 195.124; 195.307(e).
(6) ASME Boiler and Pressure Vessel Code, Section VIII, Division 2 "Rules for Construction for Pressure Vessels—Alternative Rules," (2004 edition, including addenda through July 1, 2005).	§ 195.307(e).
(7) ASME Boiler and Pressure Vessel Code, Section IX "Welding and Brazing Qualifications," (2004 edition, including addenda through July 1, 2005).	§ 195.222.
D. Manufacturers Standardization Society of the Valve and Fittings Industry, Inc. (MSS):	
(1) MSS SP-75-2004 "Specification for High Test Wrought Butt Welding Fittings"	§ 195.118(a).
(2) [Reserved]	
E. American Society for Testing and Materials (ASTM):	
(1) ASTM A53/A53M-04a (2004) "Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated Welded and Seamless".	§ 195.106(e).
(2) ASTM A106/A106M-04b (2004) "Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service".	§ 195.106(e).
(3) ASTM A333/A333M-05 "Standard Specification for Seamless and Welded Steel Pipe for Low-Temperature Service".	§ 195.106(e).
(4) ASTM A381-96 (Reapproved 2001) "Standard Specification for Metal-Arc-Welded Steel Pipe for Use With High-Pressure Transmission Systems".	§ 195.106(e).
(5) ASTM A671-04 (2004) "Standard Specification for Electric-Fusion-Welded Steel Pipe for Atmospheric and Lower Temperatures".	§ 195.106(e).
(6) ASTM A672-96 (Reapproved 2001) "Standard Specification for Electric-Fusion-Welded Steel Pipe for High-Pressure Service at Moderate Temperatures".	§ 195.106(e).
(7) ASTM A691-98 (Reapproved 2002) "Standard Specification for Carbon and Alloy Steel Pipe Electric-Fusion-Welded for High-Pressure Service at High Temperatures".	§ 195.106(e).
F. National Fire Protection Association (NFPA):	
(1) NFPA 30 (2003) "Flammable and Combustible Liquids Code"	§ 195.264(b)(1).
(2) [Reserved].	
G. NACE International (NACE):	
(1) NACE Standard RP0169-2002 "Control of External Corrosion on Underground or Submerged Metallic Piping Systems".	§§ 195.571; 195.573.
(2) NACE Standard RP0502-2002 "Pipeline External Corrosion Direct Assessment Methodology".	§ 195.588.

■ 4. In part 195, revise "(ibr, see § 195.116)" to read "(incorporated by reference, see § 195.116)" wherever it appears.

■ 5. Section 195.116 is amended by revising paragraph (d) to read as follows:

§ 195.116 Valves.

* * * * *

(d) Each valve must be both hydrostatically shell tested and hydrostatically seat tested without leakage to at least the requirements set forth in section 10 of API Standard 6D (incorporated by reference, see § 195.3).

* * * * *

■ 6. In part 195, revise "(ibr, see § 195.264)" to read "(incorporated by reference, see § 195.264)" wherever it appears.

■ 7. Section 195.264 is amended by revising paragraphs (b)(1)(i), (b)(1)(ii), (b)(2), (e)(3), and (e)(4) to read as follows:

§ 195.264 Impoundment, protection against entry, normal/emergency venting or pressure/vacuum relief for aboveground breakout tanks.

* * * * *

(b) * * *

(1) * * *

(i) Impoundment around a breakout tank must be installed in accordance with section 4.3.2.3.2; and
(ii) Impoundment by drainage to a remote impounding area must be installed in accordance with section 4.3.2.3.1.

(2) For tanks built to API 2510, the installation of impoundment must be in accordance with section 5 or 11 of API 2510 (incorporated by reference, see § 195.3).

* * * * *

(e) * * *

(3) Pressure-relieving and emergency vacuum-relieving devices installed on low pressure tanks built to API Standard 620 must be in accordance with section 9 of API Standard 620 (incorporated by reference, see § 195.3) and its references to the normal and emergency venting requirements in API Standard 2000 (incorporated by reference, see § 195.3).

(4) Pressure and vacuum-relieving devices installed on high pressure tanks built to API Standard 2510 must be in accordance with sections 7 or 11 of API 2510 (incorporated by reference, see § 195.3).

■ 8. In part 195, revise "(ibr, see § 195.307)" to read "(incorporated by reference, see § 195.307)" wherever it appears.

■ 9. Section 195.307 is amended by revising paragraph (b) to read as follows:

§ 195.307 Pressure testing aboveground breakout tanks.

* * * * *

(b) For aboveground breakout tanks built to API Standard 620 and first placed in service after October 2, 2000, hydrostatic and pneumatic testing must be in accordance with section 7.18 of API Standard 620 (incorporated by reference, see § 195.3).

* * * * *

■ 10. In part 195, revise "(ibr, see § 195.571)" to read "(incorporated by reference, see § 195.571)" wherever it appears.

■ 11. Section 195.571 is revised to read as follows:

§ 195.571 What criteria must I use to determine the adequacy of cathodic protection?

Cathodic protection required by this subpart must comply with one or more of the applicable criteria and other considerations for cathodic protection contained in paragraphs 6.2 and 6.3 of NACE Standard RP 0169 (incorporated by reference, *see* § 195.3).

■ 12. In part 195, revise “(ibr, *see* § 195.573)” to read “(incorporated by reference, *see* § 195.573)” wherever it appears.

■ 13. Section 195.573 is amended by revising paragraph (a)(2) to read as follows:

§ 195.573 What must I do to monitor external corrosion control?

(a) * * *

(2) Identify not more than 2 years after cathodic protection is installed, the circumstances in which a close-interval

survey or comparable technology is practicable and necessary to accomplish the objectives of paragraph 10.1.1.3 of NACE Standard RP 0169 (incorporated by reference, *see* § 195.3).

* * * * *

Issued in Washington, DC, on May 31, 2006.

Brigham A. McCown,

Acting Administrator.

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